10 Specifications

Input Data	Growatt 2000HF	Growatt 2500HF	Growatt 3000HF
Max. DC power	2200W	2700W	3200W
Max. DC voltage	600V	600V	600V
Start voltage	150V	150V	150V
DC nominal voltage	360V	360V	360V
PV voltage range	100V - 600V	100V - 600V	100V - 600V
Number of MPP trackers /strings per MPP tracker	1 / 2	1 / 2	1 / 2
Max. input current / per string	12A/12A	15A/15A	15A/15A
Output (AC)			
Nominal AC output power	2000W	2500W	3000W
Max. AC power	2000W	2500W	3000W
Nominal output current	8.7A	10.8A	13A
Max. output current	10A	12A	14.3A
Max. output current	230V; 207V - 263V	230V;207V - 263V	230V;207V - 263V
AC grid frequency; range	50,60HZ;±5 Hz	50,60HZ;±5 Hz	50,60HZ;±5 Hz
Phase shift (cosφ)	>0.99	>0.99	>0.99
THDI	<3%	<3%	<3%
AC connection	Single phase	Single phase	Single phase
Efficiency			
Max.efficiency	96.5%	96.4%	96.3%
Euro - eta	95.5%	95.5%	95.5%
MPPT efficiency	99.5%	99.5%	99.5%
Protection Devices			
DC reverse polarity protection	yes	yes	yes
AC short-circuit protection	yes	yes	yes
Ground fault monitoring Grid monitoring	yes	yes	yes
Integrated all-pole sensitive leakage current monitoring unit	yes	yes	yes

General Data	Growatt 2000HF	Growatt 2500HF	Growatt 3000HF
Dimensions (W / H / D) in mm	440 / 455 / 135	440 / 455 / 135	440 / 455 / 135
Weight	18KG	18KG	18.5KG
Operating temperature range	-25 °C ... +60 °C	-25 °C ... +60 °C	-25 °C ... +60 °C
Continuous full output power temperature range	-25 °C ... +45 °C	-25 °C ... +45 °C	-25 °C ... +45 °C
Noise emission (typical)	≤25 dB(A)	≤25 dB(A)	≤25 dB(A)
Consumption: operating (standby)/ night	< 5W / < 0.5 W	< 5W / < 0.5 W	< 5W / < 0.5 W
Topology	transformer	transformer	transformer
Cooling concept	No fan	No fan	No fan
Installation: Indoors / Outdoors	yes / yes	yes / yes	yes / yes
Altitude	Up to 2000m without power derating	Up to 2000m without power derating	Up to 2000m without power derating
Features			
DC connection: Terminals	yes	yes	yes
AC connection: Terminals	yes	yes	yes
LCD display	yes	yes	yes
Interfaces: Bluetooth/ RS485/RS232	opt / opt / yes	opt / opt / yes	opt / opt / yes
Warranty: 5 years / 10 years	yes / opt	yes / opt	yes / opt

Certificates and Approvals

SAA, UL, CE / TUV,EN50178, VDE0126-1-1, EN61000-3-2EN61000-6-1, EN61000-6-2, EN61000-6-3, EN61000-6-4, IEC-62109,DK5940,G83,RD1663

11 Growatt Factory Warranty

Applies solely to the following products: Growatt1500, Growatt2000, Growatt3000, Growatt4400, Growatt5000, Sungold1500, Sungold2000, Sungold3000, Sungold5000, Growatt3600MTL, Growatt4200MTL, Growatt5000MTL, Growatt2000HF, Growatt2500HF, Growatt3000HF, Growatt10000UE, Growatt12000UE, Growatt18000UE, and Growatt 20000UE.

For the above named products, you receive a Growatt factory warranty valid for 5 years from the date of installation and no more than five and a half years from the delivery date from Growatt New Energy Co., Ltd.

This warranty includes all defects of design, components and manufacturing.

Excluded from warranty are damages due to:

- Breaking the product seal (opening the casing) without proper approval
- Transport damage
- Incorrect installation or commissioning
- Failure to observe the user manual, the installation guide, and the maintenance regulations
- Unauthorized Modifications, changes, or attempted repairs
- Incorrect use or inappropriate operation
- Insufficient ventilation of the device
- Failure to observe the applicable safety regulations
- Force majeure (e.g., lightning, over voltage, storm, fire)

Warranty condition

If a device becomes defective during the agreed Growatt factory warranty period and provided that it will not be impossible or unreasonable, the device will be, as selected by Growatt:

- repaired by Growatt, or
- repaired on-site, or
- exchanged for a replacement device of equivalent value according to model and age.

In the latter case, the remainder of the warranty entitlement will be transferred to the replacement device. In this case, you do not receive a new certificate since your entitlement is documented at Growatt.

Excessiveness in the meaning above exists in particular if the cost of the measures for Growatt would be unreasonable.

- in view of the value that the device would have without the defect,
- taking into account the significance of the defect, and
- after consideration of alternative workaround possibilities that Growatt customers could revert to without significant inconvenience.

12 Contact

If you have technical problems concerning our products, contact your installer or Growatt. During inquiring, please provide below information:

1. Inverter type
2. Modules information
3. Communication method
4. Serial number of Inverters
5. Error code of Inverters
6. Display of inverters